

## AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings of claims in this application.

1. (Currently Amended) A method for managing open grid service architecture (OGSA) services comprising:

establishing an open grid service infrastructure (OGSI) instance including an OGSA container;

establishing an OGSA service and an OGSA service descriptor including an OGSA container attribute needed for said OGSA service;

deploying said OGSA service to said OGSI instance;

comparing said OGSA container attribute to a characteristic of said OGSA container;

and,

supporting said OGSA service on said OGSA container when said attribute matches said characteristic;

reconfiguring said OGSA container when said attribute does not match said characteristic to support said OGSA service;

generating an error message when said attribute does not match said characteristic.

2. – 3. (Canceled)

4. (Original) The method of claim 1 further comprising:

providing a user interface for managing OGSI instances, said user interface providing a tool for creating an OGSI instance for supporting OGSA services.

5. (Original) The method of claim 4 wherein:

said creating said OGSI instance includes identifying a port of a grid resource to support said OGSI instance.

6. (Original) The method of claim 1 further comprising:

providing a user interface for said deploying said OGSA service, said user interface including a tool for undeploying said OGSA service.

7. (Currently Amended) A system for managing open grid service architecture (OGSA) services comprising:

an administrator system establishing an open grid service infrastructure (OGSI) instance including an OGSA container;

a grid network coupled to said administrator system;

a grid resource coupled to said grid network;

said administrator system establishing an OGSA service and an OGSA service descriptor including an OGSA container attribute needed for said OGSA service;

said administrator system deploying said OGSA service to said OGSI instance;

said grid resource comparing said OGSA container attribute to a characteristic of said OGSA container; ~~and,~~

said grid resource supporting said OGSA service on said OGSA container when said attribute matches said characteristic;

said grid resource reconfiguring said OGSA container when said attribute does not match said characteristic to support said OGSA service;

said grid resource generating an error message when said attribute does not match said characteristic.

8. – 9. (Canceled)

10. (Original) The system of claim 7 further comprising:

said administrator system providing a user interface for managing OGSI instances, said user interface providing a tool for creating an OGSI instance for supporting OGSA services.

11. (Original) The system of claim 10 wherein:

said creating said OGSI instance includes identifying a port of a grid resource to support said OGSI instance.

12. (Original) The system of claim 7 further comprising:

said administrator system providing a user interface for said deploying said OGSA service, said user interface including a tool for undeploying said OGSA service.

13. (Currently Amended) A computer-readable storage medium encoded with a machine-readable computer program code for managing open grid service architecture (OGSA) services, said medium including instructions for implementing:

establishing an open grid service infrastructure (OGSI) instance including an OGSA container;

establishing an OGSA service and an OGSA service descriptor including an OGSA container attribute needed for said OGSA service;

deploying said OGSA service to said OGSI instance;

comparing said OGSA container attribute to a characteristic of said OGSA container;  
and,

supporting said OGSA service on said OGSA container when said attribute matches said characteristic;

reconfiguring said OGSA container when said attribute does not match said characteristic to support said OGSA service;

generating an error message when said attribute does not match said characteristic.

14. – 15. (Canceled)

16. (Previously Presented) The computer-readable storage medium of claim 13 further comprising instructions for implementing:

providing a user interface for managing OGSI instances, said user interface providing a tool for creating an OGSI instance for supporting OGSA services.

17. (Previously Presented) The computer-readable storage medium of claim 16 wherein:  
said creating said OGSI instance includes identifying a port of a grid resource to support said OGSI instance.

18. (Previously Presented) The computer-readable storage medium of claim 13 further comprising instructions for implementing:  
providing a user interface for said deploying said OGSA service, said user interface including a tool for undeploying said OGSA service.